

Output: Enter 10 values: 1 2 3 3 4 5 6 7 8 9 4th value: 3 7th value: 6 1 () minor toi 9th value 10 8 00% ) 2 FO 2 ton . tonome toi ( i tour ) Accept 5 values and sort ascanding I descending # include xstoro. h> company & ilbary Tomas int corr [5], i. g., temp: tous tous prints (" Enter 5 values: "); ( +mas) 3 for: (100) 12511440) 20 1 16 14 14000 scant ("Fd" , & arr [i]) for (i=0 j i <5 ji+4) { if (or (i) > orr (j)) ( temp = arr [i]; arr [i] = arr [j]; arr [j]: tempj Output: Enter an ount : 12 8 prints (" Ascending: "); for (i=& j i>=0 j i--) . 1x1 print+ ("Y.d" arr [1]) return 0 Course of out 66A ? & include satelians 1 () minor toil Output: Enter 5 vielues: 1 2 3 45 Ascending: 1-23 45 Pescending: 54321 Score 14.01, 80 (17117) 10 Irthur one famous for streamste value? " I thurs (+41 2 0 2 2 . 0=1) ros (+41 0 21 10=11 ros

O DATE : PAGE NC i troken Print minimum notes required will as set eth volve: 3 4. # include x storo. h> A F THINK AR int main () { int amount, notes [] = [ 500, 200, 100, 50, 20, 10,5,2,1] count, ii printf ("Enter amount! 11); Scenf ("1-10d", & amount sich offster abedoni 4 for (1=0;1<9; 1+7) ( ) () men thi Count = amount / notes [i] i [i] my tri if (count) ( County of many ") Italing printf ("10 d" x % d'ne", count, notes [i]); Omount %: notes [i] is & "bar") Trans 1 (++1: 7) 1 (0 =1) 101 if Con (i) > on (13) { (13 return 1013 mo + [17 mo : (17 mo = grot Output: - Enter amount: 123 print (" Ascending: ") 601 x1 120 0 (11) (1) exists (" + d" , are [i]); ext 1x1 . (-- 1 0=xi / k=i) 12 (CH NO " PA") HARRO Add two 20 Arrays: renim 0 # include (stdio.h) int main() ( int a [2][2], b[2][2], c[2][2], inj printf ("Enter elements of first exe motrix : In") for (;=0; i <2; i++) for (j=0; j<2; i++) Scanf (". |. d", fa [:][]]; prints (" Ender elements of second exe matrix: 1"); for (i=0; i2; i++) for (j=0; j22) [++) Sconf ["1-d", POCIJCIDI

prints for (i=0; ixe; i++) for (j=0; jxe; j++) c Liskis = prontf("sum; In"); for (1:0; 122;1+4) { for (j:0),122; j+4) por print (" In"); Bence 1 CHOERS o toi ) (120 144 144) for (120 1744) for 1 (Friting "b.v") most output: Enter elements of first exe matrix: 1234 Enter elements of second exe matrix: 5 678 Simile > 100 ( ) vot V ( +2) ( 125) ( 00) 1 vot G & ITTERICITE "to At") THATES 1: (1A) 11 Fentsa Multiply two 20 arrays: # include <stdio.h> int main () of yellowing to 7 gg wares and was int a [2][2], b[2][2], c[2][2]; 1, j, k; prints ("Enter first exe matrix: In"); for (i=0; i<2; i++) 10) = (017) (710 +m) for (j=0) 12 j fft) 200 100 100 100 Scanf (" % d", & a [i] [j]); prints ("Enter second 2x2 matrix 1 19") for (i=0 ; 12 ; i++) wores 63 iggs 31") Holleg for (j=0; j(2; j++) (m; a) (0 =i) va Scanf (" -1. d" , & & [i] [j]) 16-11) for (i=0; i22 ji++) { for (j=0; j<2; j++) { c (i)(j)=0; for (k=0, k+2 jk++) C[i][j] += a[i][k] b[k][j]i] printf ("Product: In"); for (1=0; 12; 14+) ( for (j=0; j(2; j+4) prinf (i) d" ccidtydi paintf ["In");}

C	Enter first exe natrix: 9 6 7 8
	+: (9911 0151 0 01) yet
	5 cont (" - 3" - 5 cm (13) 98 61
4	BCC1500 MAYBAR SURLEY AREA DEFINED
*	TRI MO " MILLY : SULLEY HE " ) 94 MING
	"(8) TO "AIDY COULDY ALL ") TENNS
	Point C on value 100 M Or CKI

return of = [] [] ( (++) + (+) + ( CIJCIJ - CIJCIJ O Trunspose of 4x4 motions 12/ 2 muz 11) 7 +0189 7. #Include Kstdio.W) wit ) ( mail solid on ) Entmain () ( 1072 (1) 1 () Miomtha) int a [4] [4] , +[4][4] ; i, jey (1) ] + 1009 printf (" fater 4x4 meetrix; In "); ter (i=0; i <4; i++) for (j=0; j<4) j++) Scanf ("Y-d", falideja) for (i=0) i(4) i+1) for (j=0) j (4) j+1) + [j][i]: a[i][j] printf ("Transpose: \n") for (1=0;144; 1+7) ( for (j=0) ] (4) j+7) printf ("rd", + CiJGJJ); printf (" In");} return 0; 6. Multiply two 20 arrows. Copy one array of 5 to another OF 10 (Skipping one) # include < stdia. h > stold (s) cold (s) But mail to I without say forth total " I thinking Int also. 6(10) = (0), (i) 1 (2) 10 and prints ("Enters values: "); for (1=0; 12531+4) Scant (1'4.d) & a [13)] : ( for (i=0); 25 , i+1) 6 [i\*2] = a([i]; + and prints ("Coppied array!"); tetum of certification of for (jed) 1821 1+1) f c (11(1) 0) output: Enter 5 values: 1 2 3 4 5 Copied array: 102030 4050 Pring (+++ 1357 10=1) rol 1 (++1 135 1 10 = 10) rol

21 (11-1119)

9.	Reverse an correy of s elements
	There stall h
	intrain () ( proft 3 2 rupp s
	int cor (CS), i) complete this
	prints (" Enter 5 values ")
	tor (i=0; 125;144)
	Scanf ("-kd", Porr[i));
	printf ("Reversed;"); d. sibtes abulant to
	for (i=4; i>=0; i) ) 1) whom toi
	print fi (" bad" " bao" " ) it tring
	return 10; " 1 Traderum al volud 11) Aming
	(i) not "67") Imne (++11 0151 10=1) m
11.nBc	output: Enter & values:
	(": Reversed : 5) 43 29"
	Scout ("4 d" Police 15 - 18
	(++1 1 01>17 0=1) + 1 1 (0 == xib) H
	£:[ x+i7 xxx = [i7 (xx (01x xx+i) ]]
	(G=+a-i) +1 (i 0=xi-psi) -1 1 1 1 1
10,	find frequency of numbers in array:
4	# Include KStoio. his 1 1 + 91 No. 11) Thomas
1	Citinto main's Haray (++1) alsi and
	int am [10], freq [10] = [0], i, j, Count;
	points ("Enter 10 values: ");
	for (i = 0; i×10; i+7) scant ("y.d", harr [i]);
	for (1=0; 1<10 ;; ++) {
	or e count sels in medianis at sold
	if (freq [17) continue;
	for ( = i + 19; jx 10 ; j + +) if (arr [i) = : orr [j])
	( count 44; freq [j] =1 i) both
	print [" y. d occurs 1. d times In", corr [i), car
	g and a second a second and a second and a second and a second and a second a second and a second a second and a second an
	return 0;
	}

outputs Enter 10 valves: 1,1,2,2,3,3,4,4,5,6 1 occurs 2 times Example shulants 2 days 2 ting 3 occurs 2 mes 11.023 mm to occurs 2 forestor 7 roted " ) Horag 5 ocens 2 times (++11 751 1 0 =1) visi Shift numbers by in positions: # include xstdio.h> 1 1/1000009 11 7+ming int main () { (=-1,0=<1; +=1) not int on [10], res [10] = (0), indir printf ("Enter 10 numbers: ") of mentor for (i=0; i<10; i+1) gcomf ("+d", for (i)) printf ("Enter shift (n):"); scanf ("ord", An); print ("Direction (0= left, 1= right): "); Scanf ("r.d" Pdir); if (dir == 0) ( for (i=0 jix10 j i++) If (i+n<10) res [i] = orr [i+n]; } else (for (i=9; i>=0 j:--) if (i-n>=0) trs(i): continuity fraction of number (character) prints ("Shifted: "Did out 23 about all # for li=0 ji210 ji++) print ("had", restidis 1000, F. return 00; 2 [01] sort (017 mo to) Parate (" Extent to value !!!) } ((13 mp ) 146 +") those ( mi sixi (0 = i) rot output:- - + +++ = 0/21 (0 =1) m Enter 10 numbers: 1, 2, 3.4, 5, 6, 2, 8, 9, 10 Enter Shift (no: 20) (117 port) 7 Direction Colletta 12 night ) = 1 Shifted: 0 0 1 2 3 4 5 678 print for a accure ve therester , are

12.	Insert number at beginning:
	# inchede «stdroh)
	int math () ( more and long land and and
	intar CloJ, n, i;
	point ("Enter 9 numbers: ");
	for (1=1; 1<10; 1++) Scanf ("14.0", Rom (1));
	paraté ("Enter new number:"); scent ("r.d", En)
	am lo): o; a mon ed bilita stadamit
	Point ("Array: ");
	for (1=0; ix10; i+1) printf (14d"; or (i));
	(Ciretumo: "1 9mos (This Existed) of
7. 8 m. En	The proof of Foster and Core !! I sent to
	IN THE PET WA
	autput: Enter 9 number: 1,2,3,4,4,5,6,7,8
	Firster now number: 2
	Array: 2123445676
13.	Insert number at given position: # include & stdio h
18-8	# include & stdio.h
	int main () () 1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1
	int arr [10], pos, ni;
	for print f ("Enter 9 numbers:");
	for (i=0;1 29;1++) scanf ("Y.d" far [1])i
	prints ("Enter new number and position (o-9): ");
	Sconf ("7.07.0", en, 8pos);
	for (i=g; i>pos; i ) arr [i] : arr [i-1];
	an (pos) in:
	ma 1 f (" Arrest 112)
	for (i=0; i<10; i++)
	printf ("You", are [i]);
	return 0)
	2 ( 1 1 mo 1 have ) training ( months of ) mi
	Comments of the state of the st

output: Enter 10 numbers: 1 1 2 3 4 5 6 7 8 9 After deletion 1 1 2 3 4 5 6 7 8 4 9 14. Delete a viewe ( cross and version) 16. Delete from particular position: # include andions ) il along in Intrain (): ( In (a) and amountain int com (10), pos, si that I share prints ("Enter ponumbers: "); for (i=0; i<10 jift) scent ("T.d" , scor (1)); printf ("Enter position!") iscanfo ("Y.d", & pos); (1 1 tor (i pos sixo ; pr) an (i) = arr (i+1): print ("After deletion: "); il (i=0 jix9 jith) prints ("rd", are (i)) Til teturno Oil strong ( this exist out) Output: Enter 10 numbers: 1 2 3 4 5 6 7 8 9 10 e & Enter position : 11 and mum of which After deletion: 1 3 4 5 6 7 8 9 10 01 8 8 F 2 45 8 2 1 2 Moltalah ranA Delete from lest position: 17-# include Lstoio.hs work of swler Assess. el int am (10), is a character that printf ("Enter 10 numbers:") for (1:0) ix10 jift) sconf ("ind" far (1)) points (c'After deletion: "); for (1:0; 1×9 sipt) printf ("1.d [1, arr []]) return 0-300 mal 71 (4-11 01 51 10-11) -014

Enter 10 numbers: 12314 4 5 67 8 9 After deletion: 123445678 14. Petete a value (search and vemore) thindude (stdio.h) and stated at stated int main () ( internal to any [10), valify promoter printe ("Enter to numbers: "); for (i=0; ix10; 1+4) scent ("Y.d", farti) (1) for (1=0) (210) (10) printf ( ( 'Enter value to delete: "); scanf ("Y.d. Rull) for (1=0; i210; 1+4) { if (arr (i) == val) { for ( for (j=ij (gjj+1) om [j]: err [j+1]; breakilj prints ("After deletion: "); for (i=0; i<9;i++) prints ("1-d" , ceir [i]); retym 0: outputs 7 4 & 2 11 moderal of sound Enter 10 numbers: 1 2 3 4 5 6 7 8 9 10 Enter value to delete: + 25 After deletion: 1234678910 Delete from lest position: Search value in array: ( ) and the 19. int am [10], val. i, found : 0; printf (" Enter 10 numberg: "). for (1=0) 1210 ji pre) scanf ("1-d", for [i)); prints ("Enter value to search: "); seams ("1.d", avail For (1=0; 1<10 sint) of (arr (1) == val ) {

printf (" found at r-din", i); found is brenks) If (I found) (A oils+2) abidon to print f (" Not found in"); educates abused to but main () ( return 01 coay sta (1007) intil party ("total still ") 1(xt2) 2 tap output: Enter 10 numbers: 1:23 45 6 7 8 9 10 Enter value to search: 9 found at 8 Section: B:- Programs using strings Find length of strings #include <stdioh> #include <string.h> int main() { islor sogget at types). & Cheer Str [100]; < dointes abutini # prints ("Enter string x 11) just a bullow to gets (strois 4 c) visors toil printf ("Length : reluln", string strlen (str)); retion of allets at 12 1 though for (1:6; 5tr (1); 1-7 3tr (1): toupper artput 6: +2 " M/2 10 10/00 maggir") + trates Enter string: Anurog Length = 6 Project String , amount

4. Toggle case: # include Kstdio.hs A include Lotypoh Cher Str [100]; Inti; gets Cotro; charles abulant to for (1:0: Ar (1); (1++) (2) 3 (2) 3 (1) If (islower (str [i))) str [i) : to upper (str [i)) else if (Supper (STr [i]) str [i]: tolower 20 3 : (" conte front start (struct)) trong (struct); print ("Toggle: Y.s In"; str): return 0: (32 12) grovie : gms 3 1:6" N/3MD2") Traing (03 gm) 11 else it (corpso) prints ["first executation") output: -w . store to acost? I ) thing sale Center String: AnuRage menter Toggle: AnuRag Copy string: 1 +09: small total xolons 5. # include (statoh) #include (string.h) int main () { Churs [100], 32[100] print f ("Enter string !" ) gets (SI): Edignotes abulant 4 Stropy (SE, SI): ) () Mon to print f ("Copied: Tisin", 32); return () prints wat my " ) Thinks

Thy (is stylen 19th) -11 is

Capted: among output: Cher Str [100] IMP 1 6. Compane Arings! Me valor ) 34 Mag ( ( ( E) ) # include (std10.h) # include (storing h) cheer S. [100]; Sz [100]; Int compi printf ("Enter first String: ") ; gets (SW) prints ("Enter second string: "); gets (52) emp: Stremp (si, sz); 10 milys if (cmp == 0) printf ("Sameln"); else if (cmp > 0) privité ("first greaterin"); else print f ("Second greater in "+); return of order A - parette votal Torale: Annales cutput: Enter first string: Patel Enter second string! Amercia First greater Reverse string: 1013 12 10013 12 # include <Stdio.h> # include Lotring. hs int main () ( Char str (100); inti; prints ("Enter string: "); gets (str); for (i= Strlen (otr)-1; ixo, i--) printf ["r.c", str [i]);

	autputir Enter atrings: Anuray man
	garuna o milios
	Cost put 2 Coster Floring 1 Portel
8.	palindrome checker
	# include XStdio.h)
	# include < string.h>
	Int main () (
	Char Str [100] int i, hen, flag = 13 ms
	prints ("Enter string: "1)3:16+22 stoulan) #
	gets Cotr); ) O Nion toi
	len & strien (str); coil sto godo
	for (i=o; i < len/2 j irr) if (str [i ]!=str [len-i-1]]
	Eflag=o; break; 3
TO T	if (flug) print f (" pop lindrone In") i else printf
	l''Not palindrome In');
	return 0;
	· ·
	when consider consider Any
	Output:
	Enter string: Anusug
	Not Palindrome
	11. Paint reverent string vertically:
9.	Concertenate stoings:
	# include (stoio.h) Edgasta shallon to
	# include xstring.h>
	int main O & 11 tal (Coal) rte mels
	Choer 32 [100], S2[100];
	prints ("Enter first string "); gets (SI);
- 15 h	printf (Menter second string: "); gets (32);
1	Stocat (S. SE)
	Streat (S1, 32)3

output to Enter String: Any 12. #Frequency of vowels: # include Lotdio.hs # include Letype. h> int main () { Cher Str [100]; Int i, a = 0, e=0, 11=0,0=0, printf l'Enter etring: "); gets (str); for (1:0, str (i) ; i++) ( Cheer C: Holower (str (i) ); if (e== 'a') a++3 else if (e== 'e') e++; else if (c== '1') ; 147; else IF (C: 2'0') 0+4; che if (c:= '4') 44+! prints l'uz red ez red izred ozved uz vedin" e, e, i1, o, u); return oi Output: Enter String: Amusag 2=2 e=0 i=0 v=0 v=1